

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

United States Patent Application

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought or the invention entitled: CIRCUITS WITH A TRENCH CAPACITOR HAVING MICRO-ROUGHENED SEMICONDUCTOR SURFACES AND METHODS FOR FORMING THE SAME.

The specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 3 Code of Federal Regulations, § 1.56 (see page 3 attached hereto).

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| Bianchi, Timothy E. | Reg. No. 39,610 | Fogg, David N. | Reg. No. 35,138 | Lynch, Michael L. | Reg. No. 30,871 |
| Billig, Patrick G. | Reg. No. 38,080 | Forrest, Bradley A. | Reg. No. 30,837 | Madrid, Andres N. | Reg. No. 40,710 |
| Billion, Richard E. | Reg. No. 32,836 | Harris, Robert J. | Reg. No. 37,346 | Pappas, Lia M. | Reg. No. 34,095 |
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor number 1 : Leonard Forbes
Citizenship: United States of America
Post Office Address: 965 NW Highland Terrace
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Residence: Corvallis, OR

Signature: _____

Leonard Forbes

Date: _____

30 DEC 97

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Residence: Berkeley Heights, NJ

Signature: _____

Joseph E. Geusic

Date: _____

Full Name of joint inventor number 3 : Kie Y. Ahn
Citizenship: United States of America
Post Office Address: 639 Quaker St.
Chappaqua, NY 10514

Residence: Chappaqua, NY

Signature: _____

Kie Y. Ahn

Date: _____

Full Name of inventor:
Citizenship:
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Residence:

Signature: _____

Date: _____

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

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- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

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(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

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Joseph E. Geusic

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Post Office Address: 639 Quaker St.
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Signature: _____ Date: _____
Joseph E. Geusic

Full Name of joint inventor number 3 : Kie Y. Ahn
Citizenship: United States of America
Post Office Address: 639 Quaker St.
Chappaqua, NY 10514

Residence: Chappaqua, NY

Signature: _____ Date: Dec. 26, 1997
Kie Y. Ahn

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